

# **SELF-ROUTE EXPANDABLE MULTI-MEMORY PACKET SWITCH WITH DISTRIBUTED SCHEDULING MEANS**

## **Abstract of the Disclosure**

Data transmission system comprising a plurality of Local Area Networks (LANs) (10-1 to 10-4) interconnected by a hub (12) including the same plurality of LAN adapters (16-1 to 16-4) respectively connected to the LANs and a packet switch (14) interconnecting all LAN adapters wherein a packet transmitted by any adapter to the packet switch includes a header containing at least the address of the adapter to which the packet is forwarded. The system comprises a memory block located at each cross point of the switch module for storing any data packet which is received from the input port corresponding to the cross point and which is to be forwarded to the output port corresponding to this cross point, and a scheduler associated with each output port for selecting at each clock time a memory block among all memory blocks corresponding to the output port and causing the memory block to forward the stored data packet to the output port when predetermined criteria are met.

## Figures

Descriptive Statistics		Descriptive Statistics	
Variable	Mean (SD)	Variable	Mean (SD)
Age	24.5 (2.1)	Gender	Male (0.75)
Height	1.75 (0.08)	Weight	75.5 (12.5)
Weight	75.5 (12.5)	Body Mass Index	24.5 (3.5)
Body Mass Index	24.5 (3.5)	Heart Rate	72 (10)
Heart Rate	72 (10)	Blood Pressure	120/80 (10/10)
Blood Pressure	120/80 (10/10)	Respiratory Rate	16 (2)
Respiratory Rate	16 (2)	Oxygen Saturation	98 (2)
Oxygen Saturation	98 (2)	Glucose	100 (10)
Glucose	100 (10)	Urea Nitrogen	10 (2)
Urea Nitrogen	10 (2)	Creatinine	1.2 (0.2)
Creatinine	1.2 (0.2)	Calcium	9.5 (0.5)
Calcium	9.5 (0.5)	Phosphorus	3.5 (0.5)
Phosphorus	3.5 (0.5)	Magnesium	0.8 (0.1)
Magnesium	0.8 (0.1)	Sodium	135 (5)
Sodium	135 (5)	Potassium	4.0 (0.5)
Potassium	4.0 (0.5)	Chloride	100 (5)
Chloride	100 (5)	Bicarbonate	24 (2)
Bicarbonate	24 (2)	Lactate	1.0 (0.5)
Lactate	1.0 (0.5)	Ammonia	15 (5)
Ammonia	15 (5)	Bilirubin	1.2 (0.2)
Bilirubin	1.2 (0.2)	Albumin	4.0 (0.5)
Albumin	4.0 (0.5)	Protein	7.0 (1.0)
Protein	7.0 (1.0)	Triglycerides	150 (50)
Triglycerides	150 (50)	Cholesterol	200 (50)
Cholesterol	200 (50)	HDL Cholesterol	50 (10)
HDL Cholesterol	50 (10)	LDL Cholesterol	130 (30)
LDL Cholesterol	130 (30)	Uric Acid	5.0 (1.0)
Uric Acid	5.0 (1.0)	Aspartate Aminotransferase	20 (10)
Aspartate Aminotransferase	20 (10)	Alanine Aminotransferase	15 (10)
Alanine Aminotransferase	15 (10)	Gamma-Glutamyl Transaminase	30 (10)
Gamma-Glutamyl Transaminase	30 (10)	Alkaline Phosphatase	100 (20)
Alkaline Phosphatase	100 (20)	Prothrombin Time	12 (2)
Prothrombin Time	12 (2)	Partial Thromboplastin Time	30 (5)
Partial Thromboplastin Time	30 (5)	Fibrinogen	300 (50)
Fibrinogen	300 (50)	D-Dimer	0.5 (0.2)
D-Dimer	0.5 (0.2)	Antithrombin III	110 (10)
Antithrombin III	110 (10)	Protein C	100 (10)
Protein C	100 (10)	Protein S	100 (10)
Protein S	100 (10)	Factor V Leiden	0.05 (0.05)
Factor V Leiden	0.05 (0.05)	Factor II	0.05 (0.05)
Factor II	0.05 (0.05)	Factor III	0.05 (0.05)
Factor III	0.05 (0.05)	Factor VII	0.05 (0.05)
Factor VII	0.05 (0.05)	Factor VIII	0.05 (0.05)
Factor VIII	0.05 (0.05)	Factor IX	0.05 (0.05)
Factor IX	0.05 (0.05)	Factor X	0.05 (0.05)
Factor X	0.05 (0.05)	Factor XI	0.05 (0.05)
Factor XI	0.05 (0.05)	Factor XII	0.05 (0.05)
Factor XII	0.05 (0.05)	Factor XIII	0.05 (0.05)
Factor XIII	0.05 (0.05)	Factor XIV	0.05 (0.05)
Factor XIV	0.05 (0.05)	Factor XV	0.05 (0.05)
Factor XV	0.05 (0.05)	Factor XVI	0.05 (0.05)
Factor XVI	0.05 (0.05)	Factor XVII	0.05 (0.05)
Factor XVII	0.05 (0.05)	Factor XVIII	0.05 (0.05)
Factor XVIII	0.05 (0.05)	Factor XIX	0.05 (0.05)
Factor XIX	0.05 (0.05)	Factor XX	0.05 (0.05)
Factor XX	0.05 (0.05)	Factor XXI	0.05 (0.05)
Factor XXI	0.05 (0.05)	Factor XXII	0.05 (0.05)
Factor XXII	0.05 (0.05)	Factor XXIII	0.05 (0.05)
Factor XXIII	0.05 (0.05)	Factor XXIV	0.05 (0.05)
Factor XXIV	0.05 (0.05)	Factor XXV	0.05 (0.05)
Factor XXV	0.05 (0.05)	Factor XXVI	0.05 (0.05)
Factor XXVI	0.05 (0.05)	Factor XXVII	0.05 (0.05)
Factor XXVII	0.05 (0.05)	Factor XXVIII	0.05 (0.05)
Factor XXVIII	0.05 (0.05)	Factor XXIX	0.05 (0.05)
Factor XXIX	0.05 (0.05)	Factor XXX	0.05 (0.05)
Factor XXX	0.05 (0.05)	Factor XXXI	0.05 (0.05)
Factor XXXI	0.05 (0.05)	Factor XXXII	0.05 (0.05)
Factor XXXII	0.05 (0.05)	Factor XXXIII	0.05 (0.05)
Factor XXXIII	0.05 (0.05)	Factor XXXIV	0.05 (0.05)
Factor XXXIV	0.05 (0.05)	Factor XXXV	0.05 (0.05)
Factor XXXV	0.05 (0.05)	Factor XXXVI	0.05 (0.05)
Factor XXXVI	0.05 (0.05)	Factor XXXVII	0.05 (0.05)
Factor XXXVII	0.05 (0.05)	Factor XXXVIII	0.05 (0.05)
Factor XXXVIII	0.05 (0.05)	Factor XXXIX	0.05 (0.05)
Factor XXXIX	0.05 (0.05)	Factor XL	0.05 (0.05)
Factor XL	0.05 (0.05)	Factor XLI	0.05 (0.05)
Factor XLI	0.05 (0.05)	Factor XLII	0.05 (0.05)
Factor XLII	0.0		